

"REPLACEMENT SHEET"

HU: MGS D V R D L N A L L P A V P S L G G G G G C A L P V S G A A Q W A P V L D F A P P G A S A Y G S L

MO: MGS D V R D L N A L L P A V S S L G G G G G C G L P V S G A A Q W A P V L D F A P P G A S A Y G S L

HU: G G P A P P P A P P P P P P P P H S F I K Q E P S W G G A E P H E E Q C L S A F T V H F S Q F T G T A G

MO: G G P A P P P A P P P P P P P P H S F I K Q E P S W G G A E P H E E Q C L S A F T L H F S Q F T G T A G

HU: A C R Y G P F G P P P P S Q A S S G Q A R M F P N A P Y L P S C L E S Q P A I R N Q G Y S T V T F D G T P S

MO: A C R Y G P F G P P P P S Q A S S G Q A R M F P N A P Y L P S C L E S Q P T I R N Q G Y S T V T F D G A P S

HU: Y G H T P S H A A Q F P N H S F K H E D P M G Q Q G S L G E Q Q Y S V P P P V Y G C H T P T D S C T G

MO: Y G H T P S H A A Q F P N H S F K H E D P M G Q Q G S L G E Q Q Y S V P P P V Y G C H T P T D S C T G

HU: S Q A L L L R T P Y S D N L Y Q M T S Q L E C M T W N Q M N L G A T L K G V A A G S S S S V K W T E

MO: S Q A L L L R T P Y S D N L Y Q M T S Q L E C M T W N Q M N L G A T L K G M A A G S S S S V K W T E

HU: G Q S N H S T G Y E S D N H T P I L C G A Q Y R I H T H G V F R G I Q D V R R V P G V A P T L V R S A S

MO: G Q S N H G I G Y E S D N H T A P I L C G A Q Y R I H T H G V F R G I Q D V R R V S G V A P T L V R S A S

HU: E T S E K R P F M C A Y P G C N K R Y F K L S H L Q M H S R K H T G E K P Y Q C D F K D C E R R F S R

MO: E T S E K R P F M C A Y P G C N K R Y F K L S H L Q M H S R K H T G E K P Y Q C D F K D C E R R F S R

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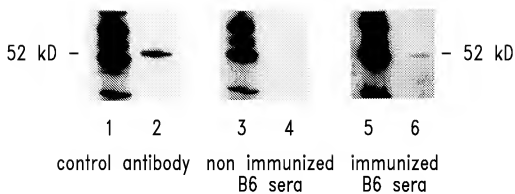
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HU: W P S C Q K K F A R S D E L V R H H N M H Q R N M T K L Q L A L

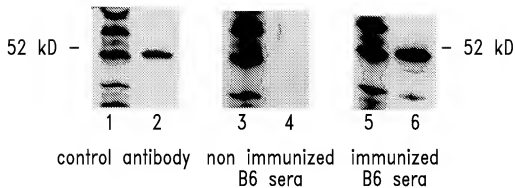
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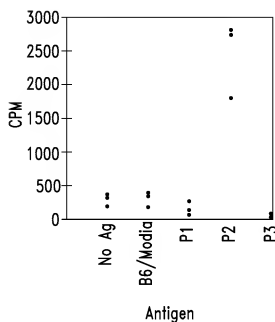
*Fig. 2*



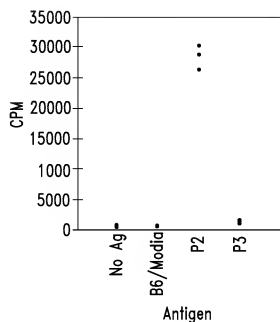
*Fig. 3*



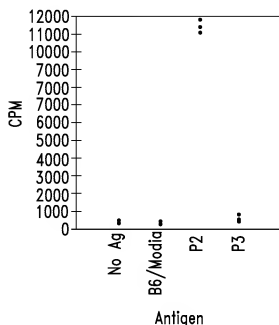
*Fig. 4*



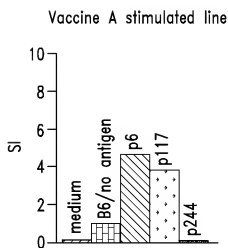
*Fig. 5A*



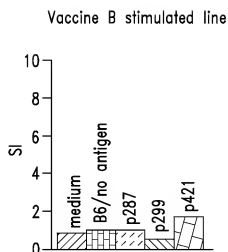
*Fig. 5B*



*Fig. 5C*

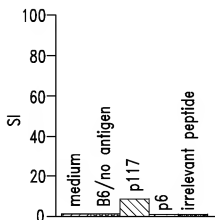


*Fig. 6A*



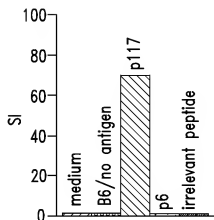
*Fig. 6B*

p117-139 stimulated line



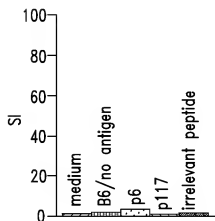
*Fig. 7A*

p117-139 stimulated clone



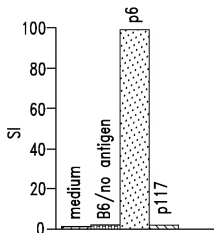
*Fig. 7B*

p6-22 stimulated line



*Fig. 7C*

p6-22 stimulated clone



*Fig. 7D*

**"REPLACEMENT SHEET"**

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5   10   15   20   25   30   35   40   45   50   55   60   65   70   75
MGSDVROLNALLPAVPSLGGGGGCPVSGAAQWAPVLDFAPPGASAYGSLGGPAPPPAPPPPPPPHSFIKQE
.....AAAAAAAAAAAAAAAA.....AAAAA.....AAAAAAAAAAAA.....
.....RRRR.....
.....

80  85  90  95  100 105 110 115 120 125 130 135 140 145 150
PSWGGAEPHEEQCLSAFTVHFSGQFTGTAGACRYGPGPPPPSQASSGQARMFPNAPYLPSCLESQPAIRNQYS
.....AAA.....AAAA.....AAA.....AAAAA.....
.....RRRR.....RRRR.....
.....DDDDDDDD.....
.....

155 160 165 170 175 180 185 190 195 200 205 210 215 220 225
TVTFDGTPSYGHTPSHHAAQFPNHSFKHEDPMGQGSIGEQQYSVPPPVYGHCTPTDCTGSQALLRTPYSSDN
.....AAAA.....AAAAA.....AA
.....RRRR.....
.....DDDDDDDDDDDD.....
.....

230 235 240 245 250 255 260 265 270 275 280 285 290 295 300
LYQMTSQLECMTNQMNLGATLKGVAAGSSSVKWTGQSNHSTGYESDNHTPTILCGAQYRIHTHGVFRGIQDV
AAAAAAAA.....AAA.AAA.....AAAAAAAA
.....RRRRRRRRRR.....RRRR.....RRRR.....
DDDDDD.....DDDDDDDDDD.....
.....ddddd.....

305 310 315 320 325 330 335 340 345 350 355 360 365 370 375
RRVPGVAPTILVRSASETSEKRPFCAYPGCNKRYFKLSHLQMHSRKHTGEKPYQCFKDCERRFSRSDQLKRHR
AAAAA.AAAAAAAAAA.....AAAA.AAAAAAAAA
.....RRRRR.....RRRR.....
.....DDDDDD.....
.....

380 385 390 395 400 405 410 415 420 425 430 435 440 445 450
RHTGVKPFQCKTCQRKFSRSDHLKTHTRHTGTSEKPFSCRWPSCQKKFARSDELVRHHMHQRNMTKLQAL
.....AAAA.AAAA.AA.....AAAA.....AAA.....AAAAA.....AAA
.....RRRR.....RRRR.....
.....ddddd.....

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**Fig. 8A**



**"REPLACEMENT SHEET"**

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5   10  15  20  25  30  35  40  45  50  55  60  65  70  75
MGS D V R D L N A L L P A V S S L G G G G C G L P V S G A A Q W A P V L D F A P P G A S Y G S L G G P A P P P A P P P P P P P H S F I Q J E
. . . . . A A A A A A A A A A A A A A . . . . . A A A A A A A A A A . . . . .
. . . . . R R R R . . . . .
. . . . .
. . . . .

80  85  90  95  100 105 110 115 120 125 130 135 140 145 150
P S W G G A E P H E E Q C L S A F T L H F S G O F T G T A G A C R Y G P F G P P P S Q A S S G Q A R M F N A P Y L P S C L E S Q P T I R N G Y S
. . . . . A A A A . . . . . A A A . . . . . A A A A A . . . . .
. . . . . R R R R . . . . . R R R R . . . . .
. . . . . D D D D D D D D . . . . .
. . . . .

155 160 165 170 175 180 185 190 195 200 205 210 215 220 225
T V T F D G A P S Y G H T P S H A A Q F P N H S F K H E D P M G Q Q G S L G E Q Q Y S V P P Y V G C H T P D S C T G S Q A L L R T P Y S S D N
. . . . . A A A A A . . . . . A A A A A . . . . . A A
. . . . . R R R R . . . . .
. . . . . D D D D D D D D D D D D . . . . .
. . . . .

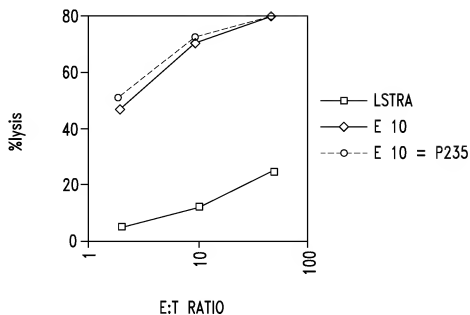
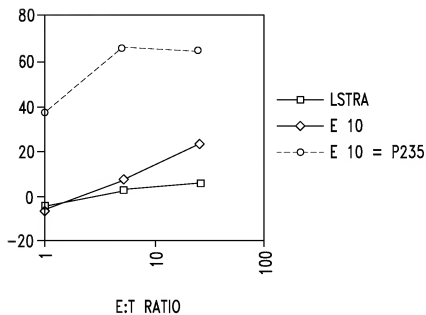
230 235 240 245 250 255 260 265 270 275 280 285 290 295 300
L Y Q M T S Q L E C M T W N Q M N L G A T L K G M A G S S S S V K W T E G S N H G I G Y E S D N H T A P I L C G A Q Y R I H T H G V F R G I Q D V
A A A A A A A . . . . . A A A . A A . . . . . A A A A A A A A A A
. . . . . R R R R R R R R R R . . . . . R R R R . . . . . R R R R . . . . .
D D D D D . . . . . D D D D D D D D D D . . . . .
. . . . . d d d d d . . . . .

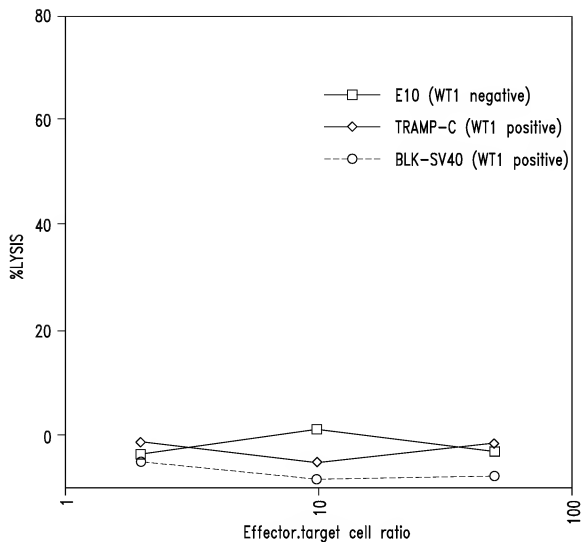
305 310 315 320 325 330 335 340 345 350 355 360 365 370 375
R R V S G A P T L V R S A S E T S E K R P F M C A Y P G C N K R Y F K L S H L Q M H S R K H T G E K P Y Q C D F K D C E R R F S R S D Q L K R H Q R
A A A A A . . . . . A A A A A A A A A A . . . . . A A A A . . . . . A A A A A A A A
. . . . . R R R R R . . . . . R R R R . . . . .
. . . . . D D D D D D D D D D . . . . .
. . . . .

380 385 390 395 400 405 410 415 420 425 430 435 440 445 450
R H T G V K P F Q C K T C Q R K F S R S D H L K T H T R T H T G K T S E K P F S C R W H S C O K K F A R S D E L V R H N M H Q R N M K L H V A L
. . . . . A A A A . A A A . A A . . . . . A A A . . . . . A A A A A A A . . . . . A A A A
. . . . . R R R R . R R R R . . . . .
. . . . . d d d d d d d d d d . . . . .

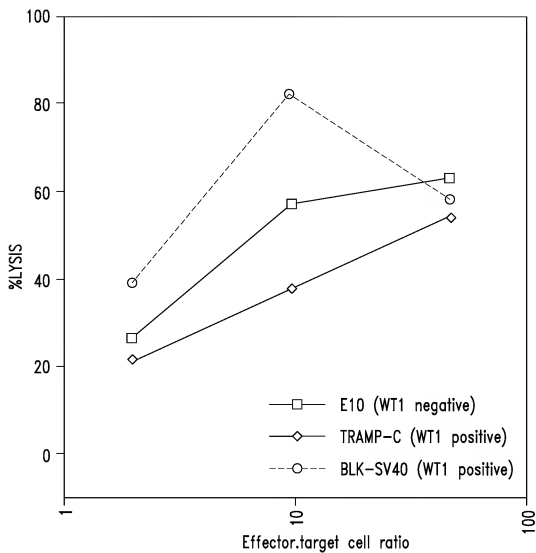
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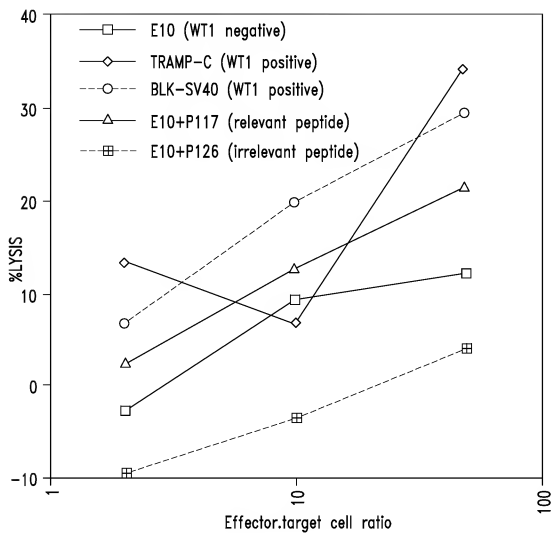
**Fig. 8B**

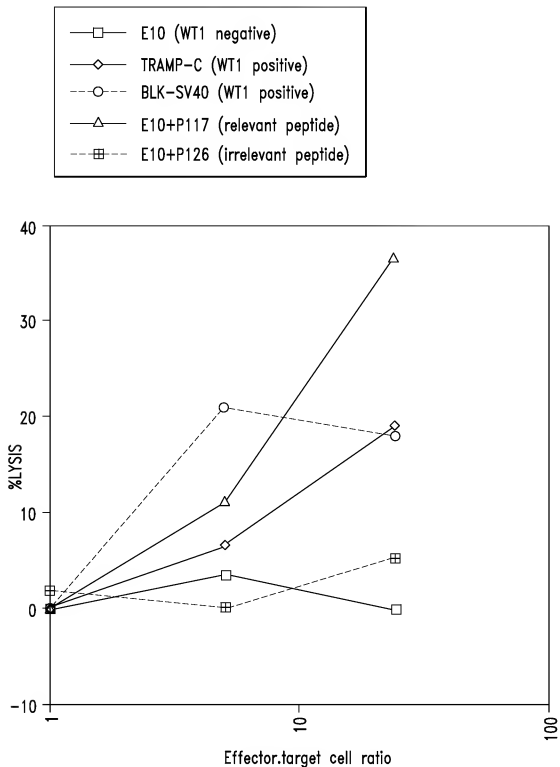
*Fig. 9A**Fig. 9B*

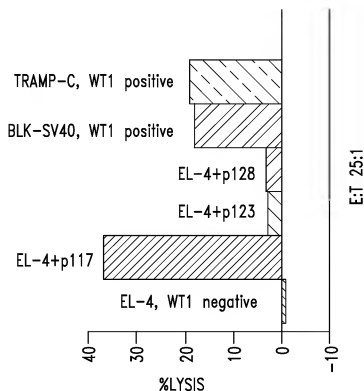


*Fig. 10A*

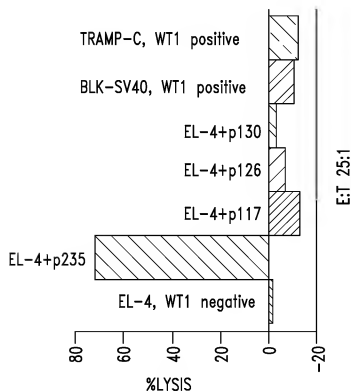
*Fig. 10B*

*Fig. 10C*

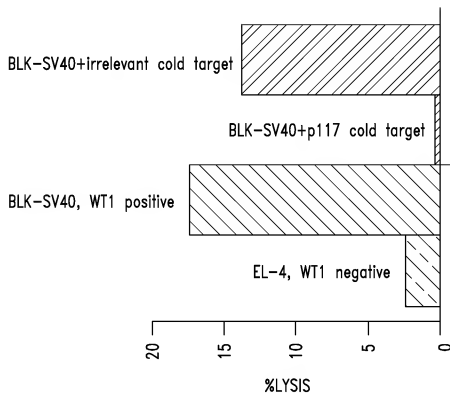
*Fig. 10D*



*Fig. 11B*

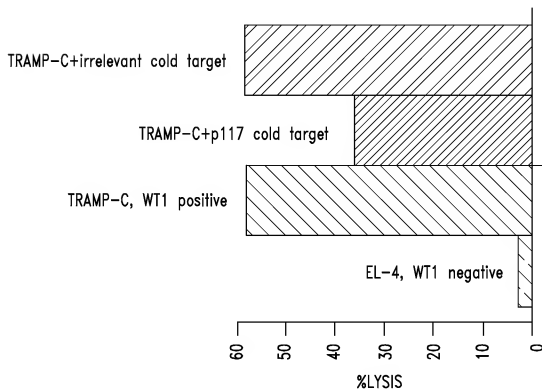


*Fig. 11A*



E:T 25:1

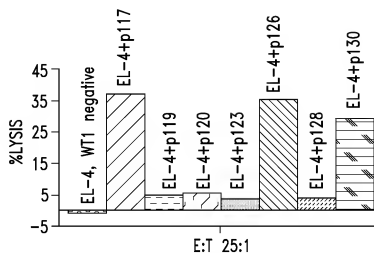
*Fig. 12B*



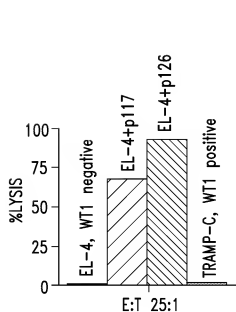
E:T 25:1

*Fig. 12A*

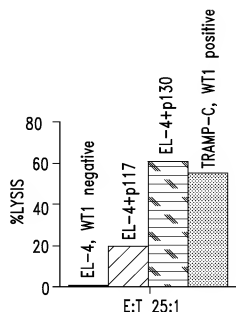




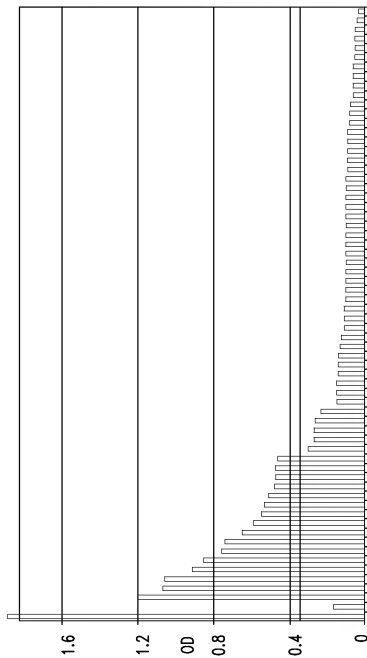
*Fig. 13A*



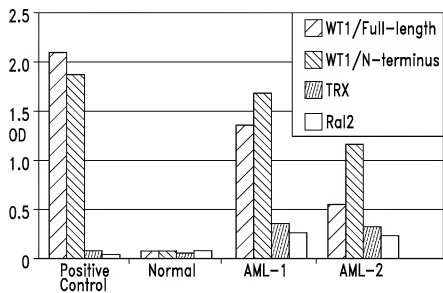
*Fig. 13B*

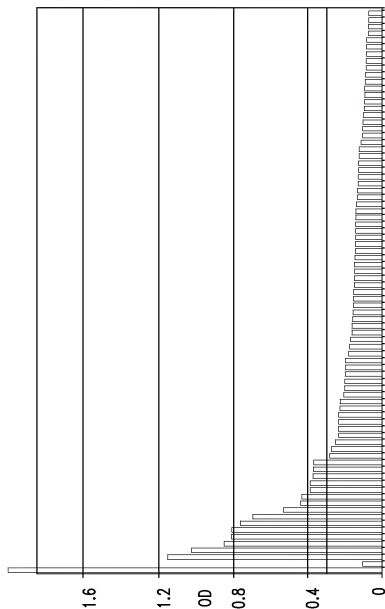


*Fig. 13C*

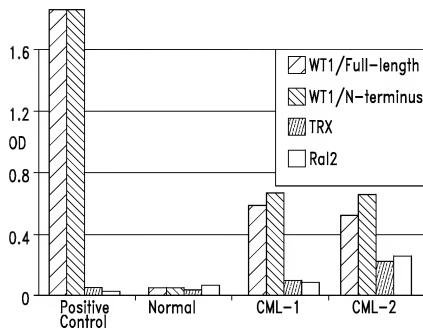


*Fig. 14*

*Fig. 15*



*Fig. 16*



*Fig. 17*

TABLE 1: Characteristics of Recombinant WT1 Proteins Used for Serological Analysis

<u>NAME</u>	<u>Recombinant Protein</u>	<u>WT1 Amino Acid Position</u>	<u>Molecular Weight</u>
WT1/full-length	Ra2-WT1 full length fusion protein	aa 1-449	85kDa
WT1/N-terminus	TRX-WT1 N-terminus fusion protein	aa 1-249	60kDa
WT1/C-terminus	WT1 C-terminus protein	aa 267-449	50kDa

*Fig. 18*